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(54) CIRCUIT PROTECTED FROM OVERCURRENT

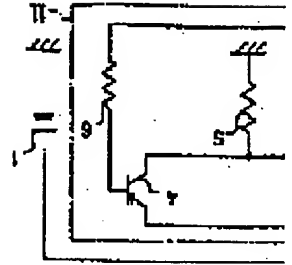
(57) Abstract:

PURPOSE: To protect a power circuit from both an overcurrent and a reverse voltage by controlling a first transistor with a second transistor connected to the first transistor.

CONSTITUTION: A PNP-type transistor 4 is connected to a transistor 2. When a short occurs in a load circuit due to the breakage or other troubles of a cable and then a current running in the load circuit increases, a potential difference is generated between a collector and an emitter of the transistor 2. Thereupon, the potential of a cathode of a diode 3 drops and a poten-

transistor 2 is branched and becomes small and finally stops flowing. Therefore, the transistor 2 is cut off between the collector and the emitter. By this method, a power circuit can be protected from both an overcurrent and a reverse voltage.

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